BRUHATH BENGALURU MAHANAGARA PALIKE

Yelahanka Division, Yelahanka Zone

Executive Engineeer
Yelahanka Division
B.B.M.P. Bengaluru - 64

No:EE/YNK-D/E-PMT/03/2020-21 Dated: 24-07-2020

APPROVED TENDER SCHEDULE –'B'

Item 8

Name of Work :-Providing Of Public Toilets in Kempegowda in ward no-01 of Yelahanka sub division.

Sl	Description	Unit	Approved Qty	Rate quoted by the contractor approved rates Sri N SUBBARAJU	
				Rate	Rate in Words
1	Earthwork excavation by manual means for foundations, either in pits or trenches 1.5m and above in width, in soil not exceeding 1.5m, in depth includinlg dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges from edges of excavation with lead upto 50m, including breaking of clods complete as per specification in hard soil.	cum	61.81	319.69	Three Hundred Nineteen Paise SixtyNine Only
2	KSRB 2.8: Providing and filling in foundation with granite/trap broken metal 100mm and down size with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. Complete as per Specifications.	cum	6.00	2597.09	Two Thousand Five Hundred NinetySeven Paise Nine Only
3	Providing and injecting chemical emulsion for Pre-constructional anti-termite treatment creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavatin, top surface of the plinth filling, jucntion of wall and floor along the external perimeter of builiding, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration at 3.19 litre/sqm, including cost of chemical, diluting in water to one percent concentration, labour, HOM complete as per specification.(Plinth area of the building at ground floor only shall be measured)	Sqm	17.36	113.34	One Hundred Thirteen Paise ThirtyFour Only

4	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC @ kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15cms thick and well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications.	Cum	8.44	5455.06	Five Thousand Four Hundred FiftyFive Paise Six Only
5	KSRB 5.2-3: Providing and constructing granite/Trap/Basalt size stone masonry in foundation with cement mortor 1:6, stone hammered dressed in courses not less than 20 cms high, bond stones at two m. Apart in each course includling cost of materials, labour, curing complete as per specifications.	Cum	11.90	4914.04	Four Thousand Nine Hundred Fourteen Paise Four Only
6	KSRB 4.1.6: Providing and laying in position reinforced cement concrete of design mix M15 with OPC cement @ 240 kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, with superplastisiser @ 3 lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls(any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc,. including cost of all materials, labour, Hom of machinery, curing, complete as per specifications.	Cum	2.77	5797.20	Five Thousand Seven Hundred NinetySeven Paise Twenty Only

	KSRB 4.2.2: Providing and Laying in position reinforced cement concrete of Design Mix M20 with OPC @ 320 kgs , with 20mm and down size graded granite metal coarse aggregates @ 0.69cum and fine aggregates @ 0.460 cum, with Super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed -2008, machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation for footing, pedastals, retaining walls, return walls, walls(any thickness) including attached pilasters, column pollars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM curing, complete but Excluding cost of reinforcement as per specificartions.	Cum	5.83	6050.60	Six Thousand Fifty Paise Sixty Only
8	KSRB 4.2.8: Providng and Laying in position reinforced cement concrete of Design Mix M20 with OPC @ 320 kgs , with 20mm and down size graded granite metal coarse aggregates @ 0.69cum and fine aggregates @ 0.460 cum, with Super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed -2008, machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining attached pilasters, columns, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM curing, complete but excuding cost of reinforcement as per specifications.	cum	7.24	6299.73	Six Thousand Two Hundred NinetyNine Paise SeventyThree Only
9	KSRB 4-6.1: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundation, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications.	Sqm	17.28	275.85	Two Hundred SeventyFive Paise EightyFive Only
10	KSRB 4-6.9: Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor including cost of all materials, labour complete as per specifications.	Sqm	50.37	807.25	Eight Hundred Seven Paise TwentyFive Only

11	KSRB 5-14: Providing and constructinf precast concrete solid blocks with compressive strength not less than 3.5 newton per sqm with cement mortor 1:4 masonry(quoin, Jamb, closer blocks)with solid concrete blocks of size 40X15X20 cms conforming to IS: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications.	Sqm	83.76	1018.95	One Thousand Eighteen Paise NinetyFive Only
12	KSRB: Providing TMT steel reinforcement for RCC work including straightening , cutting, bending, hooking, placing in position, lapping and / pr welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per Specifications.	Tonne	1.47	75876.85	SeventyFive Thousand Eight Hundred SeventySix Paise EightyFive Only
13	KSRB: Filling available excavated earth(Excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. In depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5m. Including cost of all labour complete as per specifications.	cum	29.65	214.91	Two Hundred Fourteen Paise NinetyOne Only
14	Providing 18mm thick cement plaster in single coat with cement mortar to brick masonry including rounding off corners wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.Cement morter 1:4	Sqm	81.78	279.06	Two Hundred SeventyNine Paise Six Only
15	KSRB 14.17.2: Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough palster surface(Excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification NO. KBS 14.16, 14.17- Colour glazed tiles 30X60 cms 6mm thick with border of size 30X10 cms	Sqm	53.94	1744.93	One Thousand Seven Hundred FourtyFour Paise NinetyThree Only

16	KSRB 15-3.14: Providing 12mm thick Cement plaster in single coat with cement mortar 1:4(with lime rendering) to ceiling inclunding & rounded off corners wherever required smooth rendering Providing & removing scaffolding, including cost of materials, labour curing complete as per specification.	Sqm	17.36	240.57	Two Hundred Fourty Paise FiftySeven Only
17	Providing vitrified tiles 60X60 cms of approved make, shade and size for flooring laid on a bed of 12mm thick cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing complete as per specification.	Sqm	13.76	962.28	Nine Hundred SixtyTwo Paise TwentyEight Only
18	KSRB 14.14-5: Providing Ceramic tiles of approved make shade and size for flooring, treads of steps and landings laid on a bed of 12mm thck, cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing , complete as per specifications.- for Ceramic Tiles of size 15X 15 cms 6mm thick	Sqm	3.60	1201.78	One Thousand Two Hundred One Paise SeventyEight Only
19	KSRB 15-16.1: Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooing the surface to remove all dirt and loose powdered materials, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications.	Sqm	81.78	109.06	One Hundred Nine Paise Six Only

20	KSRB 10-3: Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treartment of roofs, balconies, terraces etc., consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75kg/sqm of cement admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after cleaining the surface before treatment.(b) Laying cement concrete using broken brick bats 25mm to 100 mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junctions of walls and slabs. (c) After two days of proper curing, applying a second coat of cement lurry admixed with proprietary water proofing compound.	Sqm	20.15	1062.78	One Thousand SixtyTwo Paise SeventyEight Only
21	SOLID PANEL PVC DOOR SHUTTER: Providing & fixing 30mm thick factory made rigid foam panelled door shutters made from M.S tube of 19 guage thickness, size 19X19mm for style and 15X15mm for top & bottom rails, covered with heat moulded PVC channl of 5mm thick sheet and 30X50mm wide to form styles and 5mm thick and 75mm wide PVC sheets for top rail, lock rail & bottom rail on either side & 5mm thick 20mm wide PVC sheet as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheer fitted in the MS Frame, Sealed to the styles & rails with 5X30mm PVC sheet beading on either side & joined together with solvent cement adhesive etc., Complete as per manufacturers specification & direction of Engineer in charge fixed to frames with 3 nos of 75 mm aluminium hinges	Sqm	3.78	2969.17	Two Thousand Nine Hundred SixtyNine Paise Seventeen Only
22	KSRB 9.4.3: Providing Mathi/ Nandi wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications.	Sqm	0.13	67794.76	SixtySeven Thousand Seven Hundred NinetyFour Paise SeventySix Only

23	KSRB 9.5-3: Providing and fixing in position fully panelled Mathi/Nandi wood shutters for doord, styles and rails of 40mm thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOm of machineries complete as per specifications.(Exclulding cost of fixture)	sqm	5.04	4464.98	Four Thousand Four Hundred SixtyFour Paise NinetyEight Only
24	KSRB 9-27.1: Fixing of door frame in an existing opening including embeeding frame floor and walls after cutting masonry for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and down size granite metal painting two coats of coal tar to sides of frames, making good the damages to walls and floor as required and disposal of the debries with lead upto 50m. includign cost of materials, labour charges, complete as per specifications. Fixing of Door Frame.	sqm	2.00	1460.53	One Thousand Four Hundred Sixty Paise FiftyThree Only
25	KSRB 7.9: Providing and fixing MS grill work for windows and ventilators weighing 21kg/sqm using MS flats or MS square rods or combination of MS flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications.	sqm	75.60	101.57	One Hundred One Paise FiftySeven Only
26	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal Stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtrs spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete.(Concealed work including cutting chases and good the walls etc),-20 mm nominal OD pipes.	M	100.00	251.26	Two Hundred FiftyOne Paise TwentySix Only

27	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal Stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtrs spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete.(Concealed work including cutting chases and good the walls etc),-32 mm nominal OD pipes.	m	100.00	399.88	Three Hundred NinetyNine Paise EightyEight Only
28	KSRB 13-6.3-2: Providing and fixing in position brass gate valve with C.I wheel of approved quallity (screwed end) 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.	Each	4.00	359.25	Three Hundred FiftyNine Paise TwentyFive Only
29	KSRB 11-2: Providing and fixing white vitreous china clay, water closet Orissa pattern of size 580X 440mm with integral type footrests, 100mm S or P trap, 10litre low level, PVC flushing cistern(all ate approved make) with fittings, C.I/ MS brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangments with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per SPecifications.	Unit	2.00	4516.30	Four Thousand Five Hundred Sixteen Paise Thirty Only
30	KSRB 11-7.3: Providing and fixijng white vitreous china clay, flat back, lipped front urinal asin of 430X260X350 mm in the range of three 7.5 litres PVC automatic flushing cistern, CI/ MS brackets, std flush pipe and CP brass spreaders with brass unions and GI lamps painting of fittings and brackets, cutting and making good the wall and floor wherever requiered, including cost of materials, labour complete as per Specifications.	Unit	4.00	3515.53	Three Thousand Five Hundred Fifteen Paise FiftyThree Only

31	KSRB 11-11.1: Providing and fixing white vitreous china clay, flat back wash basin size 630 X 450mm with a pair of 15mm CP brass pillar taps with CI/MS brackets, 32mm CP brass waste if STD pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications.	Unit	2.00	4284.28	Four Thousand Two Hundred EightyFour Paise TwentyEight Only
32	KSRB 13-6.1-2: Providingand fixing in position brass bib cock of approved quality 20mm nonimal bore including cost of all materials, labour and HOM of equipments with all leads complete as per Specifications.	Each	6.00	184.97	One Hundred EightyFour Paise NinetySeven Only
33	Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions(Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot)-10cms X 7.5cms	Each	6.00	267.30	Two Hundred SixtySeven Paise Thirty Only
34	KSRB 11-15.3: Providing and fixing 453 X 357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complere as per specifications.	Each	2.00	1214.61	One Thousand Two Hundred Fourteen Paise SixtyOne Only
35	KSRB 13-11: Providing and placing on terrace, polyenthylene water storagetanks as per IS 12701: 1996 with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transpoer charges, HOM and testing complete as per SPecifications.(For 1000 litre capacity).	Nos	1.00	7300.50	Seven Thousand Three Hundred Paise Fifty Only
36	Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using copper PVC insulated multi strand 2X1.5 sqmm copper wire with a 6 amps flush type SP control switch shall be fixed on the existing palstic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. (5/2.1) I. Point wiring using class A materials. a) Short point upto 3 mtr from tapping point to out let via switch GROUP A	Each	30.00	172.26	One Hundred SeventyTwo Paise TwentySix Only

	Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using copper PVC insulated multi strand 2X1.5 sqmm copper wire with a 6 amps flush type SP control switch shall be fixed on the existing palstic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. (5/2.1) I. Point wiring using class A materials. b) Medium point above 3 mtr upto 6 mtr from tapping point to out let via switch GROUP A.	Each	8.00	242.55	Two Hundred FourtyTwo Paise FiftyFive Only
38	Supplying and mounting 2 nos of 2 way 6 amps flush type switches either surface/flush mounted on existing gang box or in 4mm thick plastic sheet and mounted on a flush mounmted wooden box and wiring as required.	Each	4.00	169.29	One Hundred SixtyNine Paise TwentyNine Only
39	Supplying 6A flush type socket and 6 amps flush type SP switch either flush mounting in a existing in a 4mm thick plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wires as required. (15/3.1) b) 6 amps 3/5 way switch socket.	Each	90.00	148.50	One Hundred FourtyEight Paise Fifty Only
40	Supply and fixing of bakelite modular switch/ socket/stepped electronic fan regulator on existing modular switch plate as per IS 3854 and IS 1293	Each	22.00	283.14	Two Hundred EightyThree Paise Fourteen Only
41	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and C type curve indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10k and complete wiring as required.(47/6.16) 5-32 amps SPN Group	Each	1.00	413.82	Four Hundred Thirteen Paise EightyTwo Only
42	Fixing all types and all capacities of fluorescent / false ceiling/spot/ :ED fittings indoor on the wall/celing/rafters/girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps.	Each	3.00	97.02	NinetySeven Paise Two Only
43	Supplying of 1440 rpm heavy duty exhaust fan with bracket blades suitabe to operate on 230V 50Hz, AC supply complete. (78/9.2.2) I) 12" Sweep (300mm)	Each	4.00	3617.46	Three Thousand Six Hundred Seventeen Paise FourtySix Only

	Supplying Capacitor type ceiling fan complete with down rod blades shackle, Canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system and as per technical data approved. (78/9.3.1.2) a. Regular model (Khaitan, Crompton Greaves, Orient, Polar, Bajaj, Havells) 48" (1200mm)	Each	2.00	1881.00	One Thousand Eight Hundred EightyOne Only
5	Supplying of 2X'2' ,L:ED recessed liminaire with 36 Watts system wattage. Housing Shall be with pressure die Cast alliminum alloy with corrosion proof resistant polyester power coated. Drive operates with voltage range from 100V to 270V 50/60 Hz with short circuit. Overload and mis-wiring protection. Lumen Maintenance of 70% at 500000 Hrs. injuction moulded poly carbonate diffuser for better mechanical stability, light transmission & avoid pot hole effect. Junction temperature shall be <70 degree Celsius. Driver id on constant current driver @ 0.06A with PF > 0.92 with line voltage @ 220-240V 50/60 Hz, driver efficiency >85% & 75im/w with CRI > 75 with injuction moulded polycarbonate lens with <80mm depth. 5 years Warrenty against any manufacturing defect working under std electrical condition (26/4.33.2) a) 2'X 2' -36 Watts	Each	2.00	8159.58	Eight Thousand One Hundred FiftyNine Paise FiftyEight Only
46	Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanised, steel wire/steel tap armoured cable with PVC outer sheathing 1.1 KV class (55/7.4) Class 'A' PVC Cable 3.5 Crore 25 sqmm.	M	10.00	650.43	Six Hundred Fifty Paise FourtyThree Only
47	Digging Of trench of 0.6m deep X 0.50 m wide refiling the trench to the required ground level and consolidating etc., complete (as per civil SR KSRB 1-2, P-7)(61/7.9) in soil (ordinary)	M	10.00	77.22	SeventySeven Paise TwentyTwo Only

Signature of the Contractor

Executive Engineer,
Yelahanka Division,
BBMP, Bengaluru-64.